



2003 ALVIN Operations

(to date)



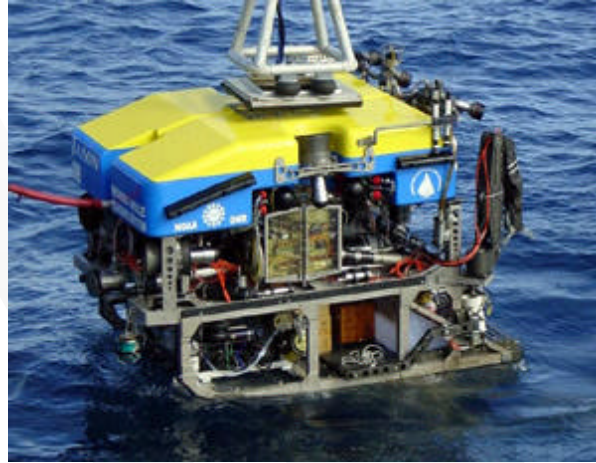
- **Two engineering dives off Barbados**
 - Full science equipment check-out, computer bugs solved, tested Sidus pan & tilt, tested Kraft manip, conducted lighting experiments
- **One completed science cruise – Lost City/MAR – Debbie Kelley**
- **One cruise underway – NE Seamounts – Jess Adkins/Dan Scheirer**
- **30 dives completed**
- **? days lost to weather on Adkins cruise**
- **>130 hours total bottom time**
- **Six more science cruises scheduled this year**
- **Pat Hickey's 500th dive**





2003 ROV Operations

(to date)



- **ISIS completion and sea trials off Bahamas**
- **Two science cruises:**
 - **Fryer / TN154 - Mariana ForeArc – DVLNav, Virtual Van, SM2000, CTD**
 - **Chave / TN155 – H2O Site – DVLNav, Virtual Van, magnetometer**
- **Jason2: 24 lowerings, 339 hours on bottom**
- **DSL-120: 10 lowerings, 319 hours on bottom**
- **6,500m dive**
- **ODP bore hole sensors/tools retrieved/deployed**
- **H2O junction box recovered**
- **Three more Jason cruises scheduled this year**

